

PTO/SB/07 (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

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Attorney Docket No. ISAA0060

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on 04 September 2005

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1. Renewed Petition under CFR 1.137(b) - (1 page);
2. Petition for Revival of an Application - (2 pages)
3. Copy of Amendment filed 07/20/04 - (4 pages); and

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

OCT 04 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Caid, et al

Docket No. : ISAA0060

Serial No. : 09/672,237

Art Unit: 2121

Filed: September 27, 2000

Examiner: Hir, J.P.

Title: CONTEXT VECTOR GENERATION AND RETRIEVAL

04 October 2005

Commissioner of Patents
Mail Stop -- Office of Petitions
P.O. Box 1450
Alexandria, VA 22313-1450

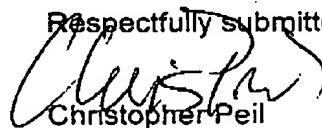
RENEWED PETITION UNDER 37 CFR 1.137(b)

Sir:

This is in response to the correspondence mailed to the Applicant on 04 August 2005. The Applicant, as attorney of record, hereby petitions the U.S. Commissioner of Patents and Trademarks to revive the subject patent application based upon Unintentional Abandonment.

Applicant does not believe that filing of this Amendment will incur additional fees. However, the Commissioner is authorized to charge any fees due to the Glenn Patent Group Deposit Account No. 07-1445, Customer No. 22862. Applicant considers this document to be filed in a timely manner.

Respectfully submitted,



Christopher Peil

Reg. No. 45,005

Customer No. 22862

OCT 04 2005

003/008

PTO/SB/64 (09-04)

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT
ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**Docket Number (Optional)
ISAA0060First named inventor: **Caid et al**Application No.: **09/672,237**Art Unit: **2121**Filed: **09/27/2000**Examiner: **Hiri, J. P.**Title: **Context Vector Generation and Retrieval**

Attention: Office of Petitions

Mail Stop Petition

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

FAX 571-273-8300

NOTE: If information or assistance is needed in completing this form, please contact Petitions Information at (703) 305-9282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the office notice or action plus an extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee - required for all utility and plant applications filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

1. Petition fee☐ Small entity-fee \$ _____ (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.☒ Other than small entity - fee \$ 0.00 (37 CFR 1.17(m)) Deposit Account 07-1445 (Glenn Patent Group)**2. Reply and/or fee**

A. The reply and/or fee to the above-noted Office action in the form of Response (Identify type of reply):

- ☒ has been filed previously on 07/20/2004
☐ is enclosed herewith.

B. The issue fee and publication fee (if applicable) of \$ _____

- ☐ has been paid previously on _____
☐ is enclosed herewith.

(Page 1 of 2)

This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/64 (09-04)

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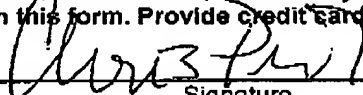
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

3. Terminal disclaimer with disclaimer fee

☒ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ _____ for a small entity or \$ _____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. STATEMENT: The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. (NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D)).]

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Signature

04 October 2005

Date

Christopher Peil

Typed or printed name

45,005

Registration Number, if applicable

Glenn Patent Group

Address

(650) 474-8400

Telephone Number

3475 Edison Way, Suite L., Menlo Park, CA 94025

Address

Enclosures: ☐ Fee Payment☒ Reply☐ Terminal Disclaimer Form☐ Additional sheets containing statements establishing unintentional delay☒ Other: Renewed Petition under 37 CFR 1.137(b)

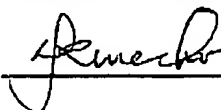
CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

☐ Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.☒ Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office as 571-273-8300.

04 October 2005

Date



Signature

Della Revecho

Typed or printed name of person signing certificate

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Caid, et al.

Serial No. 09/627,237

Group Art Unit: 2121

Filed: April 24, 2000

Examiner: Joseph P. Hirl

Title: Context Vector Generation & Retrieval

July 20, 2004

Assistant Commissioner of Patents and Trademarks
Mail Stop Petition
P.O. Box 1450
Alexandria, VA 22313-1450

Amendments and Responses

Examiner:

In response to the Office Action mailed April 9, 2003, Applicant respectfully submits the following amendment in the above referenced application and requests the consideration of the following remarks:

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Amendments to the Specification

On page 1, line 7, please delete "No. x, xxx, xxx" and insert --No. 6,173,275-- .

On page 2, line 10, please delete "in favor of file wrapper continuation" and insert
--pursuant to the initiation of--.

Remarks

COPY35 USC 112 Rejections

Claims 1-35 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Applicant respectfully submits that the description adequately described the claimed invention and that a person skilled in the art would recognize that the inventor had possession of the claimed invention.

Specifically, the present invention is directed to a system and method for generating context vectors for use in a document storage and retrieval system and provides a context vector generation scheme that uses a neural network operating on a training corpus of records. The specification on page 4, line 3-4: "context vectors may be associated with words, terms, documents, document portions, queries, images, quantitative data people, or any other type of information item." Claim 1 claims a computer-implemented method of generating context vectors representing information elements for retrieval of the information elements or records containing the information elements, assigning a context vector to each of a plurality of information elements; initializing the context vectors such that the context vectors are substantially orthogonal to each other in a vector space; determining proximal co-occurrences of the information elements; and adjusting the context vectors based on the proximal co-occurrences of the information elements, such that the information elements that frequently proximally co-occur have context vectors with similar orientations in the vector space. A person skilled in the art would understand that a broad association of the context vectors would sufficiently describe that association with the information elements claimed in the invention.

In the Office Action, Examiner stated that "it is the examiner's opinion that Applicant has misinterpreted the specification's meaning of information elements."

On page 6, lines 6-10 indicates clearly that "a prototypical subset of feature vectors, or atoms (also called information elements), are derived from the set of feature vectors to form an "atomic vocabulary."

Applicant respectfully submits that an applicant is entitled to be his or her own lexicographer and may rebut the presumption that claim terms are to be given their ordinary and customary meaning by clearly setting forth a definition of the term that is different from its ordinary and customary meanings. See *In re Paulsen*, 30 F.3d 1475, 1480, 31 USPQ2d

1671, 1674 (Fed. Cir. 1994). Applicant interpreted the term "information vocabulary" as Applicant defines.

Applicant respectfully submits that, in view of the amendments and discussion set forth herein, the pending claims are patentable over the prior art.

The examiner is invited to call Ivy Mei at 650-474-8400 to discuss the pending claims.

The Commissioner is hereby authorized to charge any additional fees due or credit any overpayment to Deposit Account No. 07-1445.

If there are any questions regarding this correspondence, please contact the undersigned at 650-474-8400.



Ivy Y. Mei, Reg. No. 46925

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